

Research Article

<http://zoobank.org/urn:lsid:zoobank.org:pub:770C4817-092C-4462-B4D6-9B4F16C2DA94>

A new record of *Lasiocampidae*, new to the fauna of Euphrates Region in South Turkey (*Lepidoptera*)

Muhabbet Kemal¹ Ahmet Ömer Koçak

Abstract: A new record of *Lasiocampidae*, new to the fauna of Euphrates Region in South Turkey (*Lepidoptera*). *Cesa News* 142: 1-3, 7 figs. 1 map.

In this paper, *Lasiocampa grandis* (*Lasiocampidae*) is reported here as new to Urfa Province, and Euphrates Region in South Turkey. Early stages of the species are illustrated. *Rubus sanctus* (*Rosaceae*) is mentioned as a native larval food-plant in the region. A distributional map is also added.

Keywords: *Lasiocampa grandis*, *Lasiocampidae*, *Lepidoptera*, *Rubus sanctus*, *Rosaceae*, Urfa, Birecik, Euphrates, Turkey, fauna.

Recently, the authors carried out field studies in Euphrates Region in South Turkey, and published the first faunistical results on the vernal *Lepidoptera* fauna of the territory (Kemal & Koçak, 2017a, 2017b). In the territory, only *Lasiocampa eversmanni* is known from Urfa Province. The authors mentioned a moderately grown caterpillar on *Rubus sanctus* plant at Birecik, Mezra 390m (Fig.1), on 24 March 2017 (63Ba) (Kemal & Koçak, 2017a). In captivity the caterpillar has grown (Fig. 2), and pupated approximately on 5 May, inside of a well established cocoon (Fig. 3). After a long period (more than 4 months), a female moth of *Lasiocampa grandis* emerged on 25 September, with a wingspan 73mm (Fig. 6). She has laid immediately a large number unfertilized eggs dispersedly (Fig. 7). Pupal skin is also illustrated below from two sides (Figs. 4, 5).

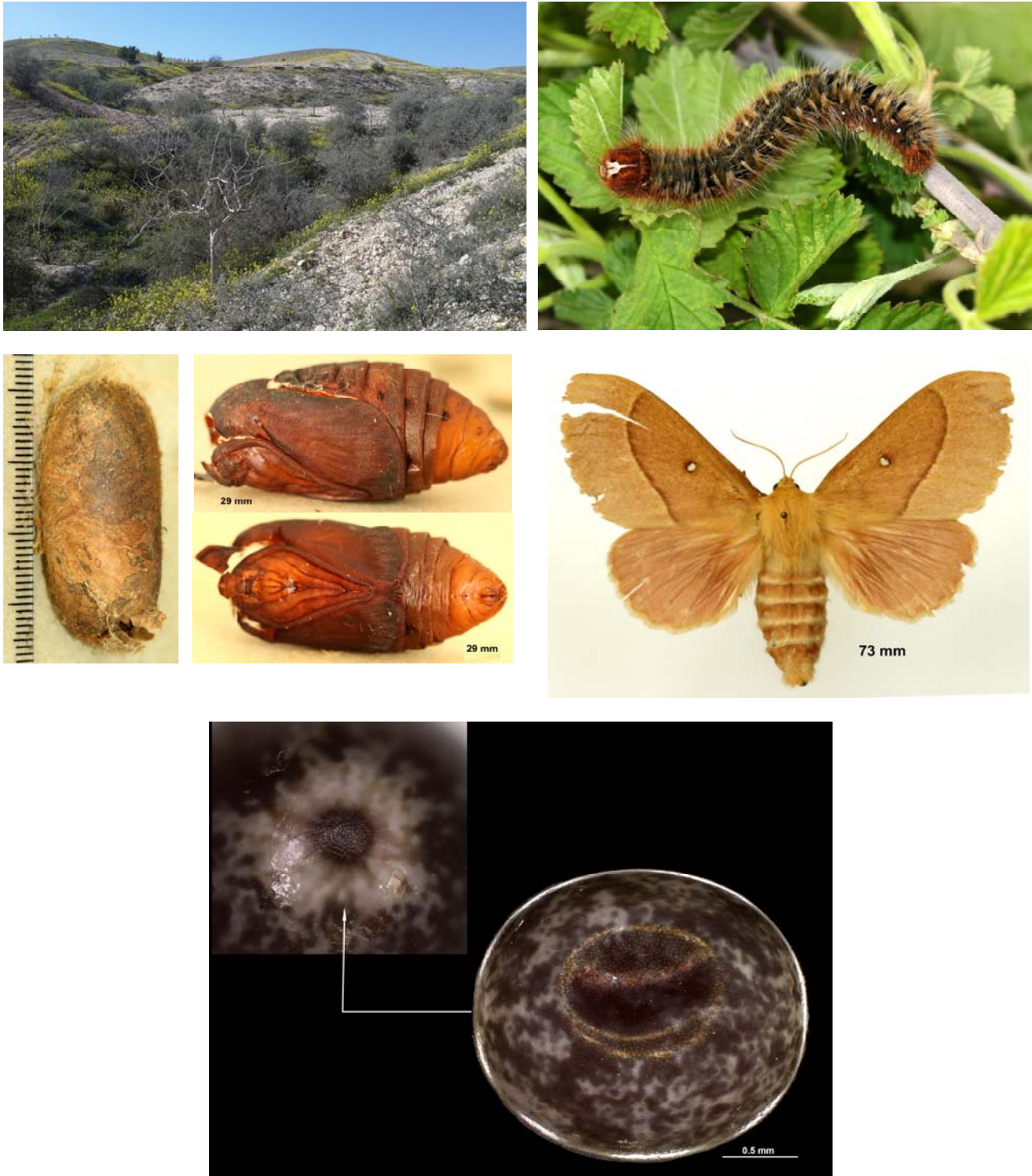
¹ Asst. Prof. Dr. Muhabbet Kemal, Van Yüzüncü Yıl University, Faculty of Science, Dept. of Biology, Campus, Van / Turkey.

e-mail: muhabbet_kemal@yahoo.com.tr

co-author: Prof. em. Dr. Ahmet Ömer Koçak, c/o Van Yüzüncü Yıl University, Faculty of Science, Dept. of Biology, Campus, Van / Turkey. e-mail: cesa_tr@yahoo.com.tr

***Lasiocampa grandis* (Rogenhofer, 1891) (Figs. 1-7, Map 1)**

Lasiocampa grandis was described by Rogenhofer in 1891 from “Syrien” as “*Gastropacha trifolii* var. *grandis*”. The name *salomonis* Staudinger, 1892 is currently considered as junior subjective synonym of it. On the European distribution of this species, together with the bionomical information, Witt (1982) published an important paper. Currently the species is known from Macedonia, Albania, Bulgaria, Greece, Iraq, Lebanon, Israel, Caucasus countries, and Iran (Fars). In Turkey, *Lasiocampa grandis* is widely distributed (21 provinces) (*vide*, Koçak & Kemal, 2009).

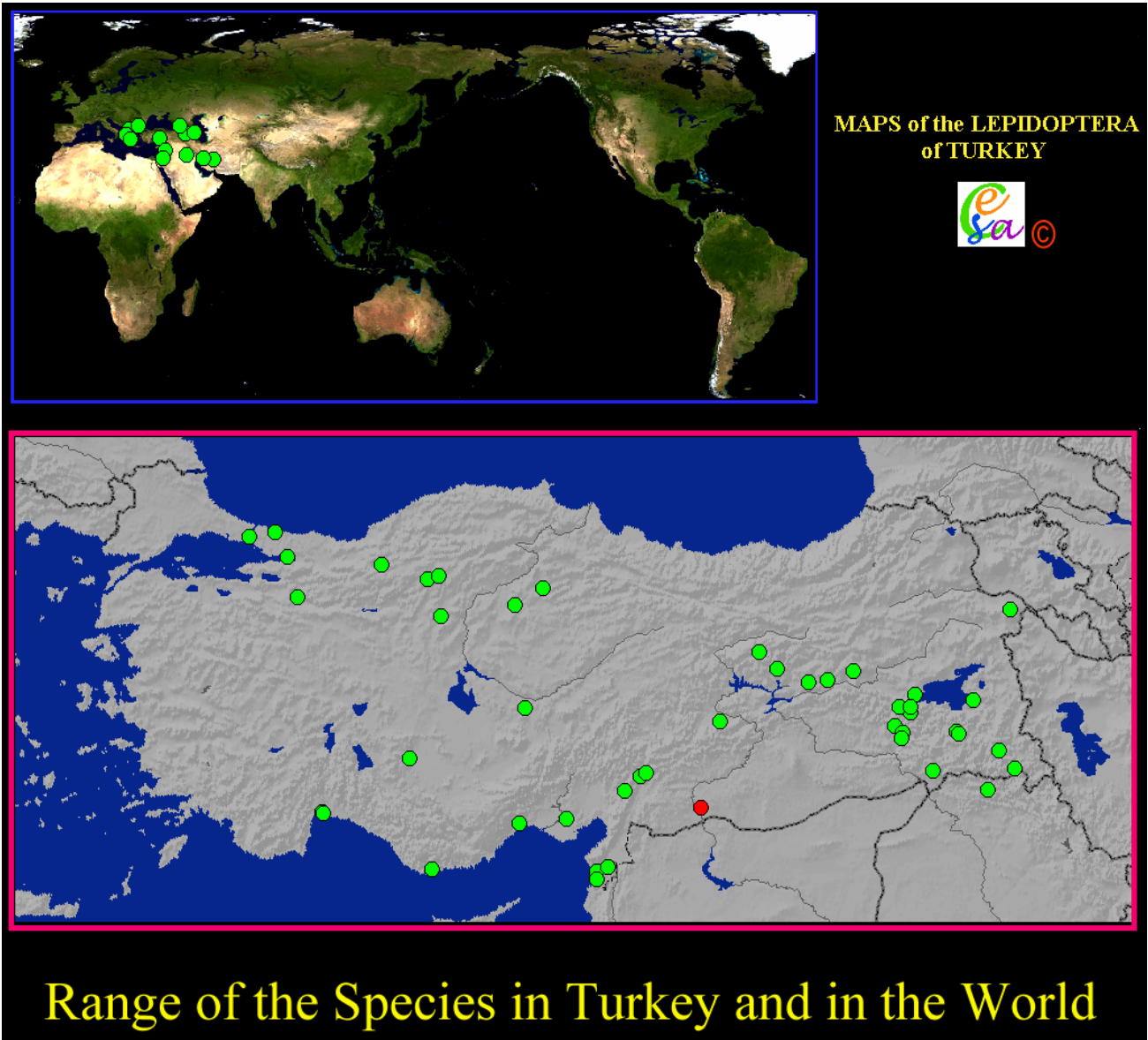


Figs. 1 -7. *Lasiocampa grandis* from Birecik (Urfa Prov., South Turkey) (63Ba). Top row: Habitat, 390m above sea level (left), grown caterpillar in captivity on 16 4 2017 (right); middle row: Cocoon (left), pupal skin from lateral and ventral sides (middle), adult female (right), unfertilized egg with enlarged micropylar area (bottom), M. Kemal (Cesa)

Native food-plant of the caterpillar, *Rubus sanctus* (Schreb) (=anatolicus (Focke)) (*Rosaceae*), is apparently new for the species.

In this complementary note, the present record for Urfa Province is new. A distributional map is here given (**Map 1**), based upon the updated codes mentioned below:

Range (in code): MK AL BG GR TR IQ Ama Agh Amr LB Bsa IL Pa Hf Cc AM Arr AZ Nv GG IR Fa Shr 01 06 07 11 12 13 14 19 30 31 33 34 41 42 44 46 50 56 62 **63** 65 73 06R 06Rb 06Re 07C 12A 12Aa 12E 13C 13Cf 13F 13F38 13G 13Gü 13Gw 19P 30D 30Df 31K 31Ka 33A 33Aj 34S 46G 46Gf 56A 56Aa 56F 56Fo 62E **63B 63Ba** 65A 65Ai 73D 73Df



Map 1 – *Lasiocampa grandis* (*Lasiocampidae*). Present record is in red.

References

- Kemal, M. & A.Ö. Koçak**, 2017a, Some vernal Lepidoptera of SE Turkey, faunistical results of a short trip made in 2017 with some taxonomic and bionomic notes. *Cesa News* 133: 1-16, 26 figs.
- Kemal, M. & A.Ö. Koçak**, 2017b, On the vernal Lepidoptera fauna of Nizip-Birecik districts – Euphrates region in South Turkey. *Cesa News* 137: 1-20, 51 figs.
- Koçak, A.Ö. & M. Kemal**, 2009, Revised Checklist of the Lepidoptera of Turkey. *Priamus* Suppl. 17: 1-253.
- Rogenhofer, A.**, 1891, Beschreibungen neuer Varietäten von Spinner-Arten aus Syrien. *Verh. zool.- bot. Ges. Wien* 41 (Sitzungb.): 85-86.
- Witt, T.**, 1982, Die Verbreitung von *Lasiocampa grandis* (Rogenhofer, 1891) in Europa (Lepidoptera, Lasiocampidae). *NachrBl. bayer. Ent.* 31 (2): 27-31, map.

Cesa News

Cesa News is a peer reviewed online serial of the Centre for Entomological Studies Ankara (Cesa), established in 2008. It appears at irregular intervals as PDF format and includes original articles of the research workers of the Centre, regarding on various subjects on Entomology. The publication language is English or Turkish. Cesa News is archived online at "Internet Archive" since 2011, in accordance with the publication rules of the ICZN.

Cesa News is an open-access serial, distributed under the terms of the "Creative Commons Attribution License", which permits free use, and distribution in any medium, provided the original author(s) and source are credited.

Centre for Entomological Studies Ankara



(A scientific Consortium)

(co-operation of research workers for pure-scientific, not commercial purpose)

Web Page of the Cesa: <http://www.cesa-tr.org/> - Digital Library of the Cesa: <https://archive.org/details/@cesa>

Scientific Serials: Priamus & Priamus Supplement (print and online versions) (ISSN 1015-8243)², Miscellaneous Papers (print and online versions) (ISSN 1015-8235)³, Memoirs (print and online versions) (ISSN-8227)⁴, DVD Films⁵, Iconographia Insectorum⁶ (online), Cesa Publications on African Lepidoptera (online)⁷, Cesa News (online)⁸, Cesa Books (online)⁹

Owners / Sahipleri - Editors / Yayıncılar: Prof. em. Dr. Ahmet Ömer Koçak (c/o Yüzüncü Yıl University, Van, Turkey), Asst. Prof. Dr. Muhabbet Kemal Koçak (c/o Yüzüncü Yıl University, Van, Turkey).

Editorial Board of all Scientific Serials of the CESA / Bütün Bilimsel Yayınların Yayın Kurulu: Insecta, taxonomy, nomenclature, ecology, faunistics: Prof. Dr. Ahmet Ömer Koçak (Yüzüncü Yıl Üniversitesi, Turkey), Asst. Prof. Dr. Muhabbet Kemal Koçak (Yüzüncü Yıl University, Turkey).

Chief referees of all Scientific Serials of the CESA: Prof. em. Dr. Ahmet Ömer Koçak & Asst. Prof. Dr. Muhabbet Kemal Koçak: Insecta, taxonomy, nomenclature, fauna, ecology, catalogues, checklists of the Old World.

Expert referees according to the subject areas: Dr. Peter Huemer (Austria): Gelechiidae, and some Microlepidoptera groups in Palaearctic (Lepidoptera). Dr. J. B. Heppner (U.S.A.): Microlepidoptera of Nearctic and Neotropical. Dr. G. Baldizzone (Italy): Coleophoridae (Lepidoptera). Dr. V. Korneyev (Ukraine): Tephritidae, Pyrgotidae, Ulidiidae (Diptera). Prof. Dr. Y.G. Verves (Ukraine): Sarcophagidae (Diptera). Dr. Daniel Burckhardt (Switzerland): Psyllidae (Homoptera). Prof. Dr. E. Heiss (Austria): Hemiptera. Dr. R. Ehrmann (Germany): Mantodea. Prof. Dr. Mustafa Ünal (Bolu, Turkey): Orthoptera. Prof. Dr. Hüseyin Özdikmen (Turkey): Coleoptera. Prof. Dr. Suat Kırıyak (Turkey): Hemiptera, Hymenoptera (Cynipidae).

Plant taxonomy, flora and vegetation: Assoc. Prof. Dr. Murat Ünal, Asst. Prof. Dr. Mesut Pınar, (Yüzüncü Yıl University, Van, Turkey).

Editorial policy: The submitted manuscript is evaluated by the Chief Editor and Referee. In case of need, the manuscript is sent to expert referees according to the subject areas.

ALL RIGHTS RESERVED

Correspondences should be addressed to: Prof. em. Dr. Ahmet Ömer Koçak, c/o Yüzüncü Yıl University, Fen Fakültesi, Biyoloji Bölümü, Kampus, Van / Turkey. - e-mail: cesa_tr@yahoo.com.tr

All the serials of the Cesa are archived regularly by the Internet Archive (300 Funston Ave., San Francisco, CA 94118, U.S.A.), in accordance with the rules of the International Codes of Zoological Nomenclature (ICZN)

<https://archive.org/>

and Zoological Record,
Thomson Reuters,

Enterprise House, Innovation Way, Heslington, York, YO10 5NQ, United Kingdom
ts-emea-york.dcsadmins@thomson.com

² <http://www.cesa-tr.org/Priamus.htm> <http://www.cesa-tr.org/Pri.htm>

³ <http://www.cesa-tr.org/Miscell.htm>

⁴ <http://www.cesa-tr.org/Memoirs.htm>

⁵ <http://www.cesa-tr.org/CDF.htm>

⁶ <http://www.cesa-tr.org/Icon.htm>

⁷ <http://www.cesa-tr.org/CPAL.htm>

⁸ <http://www.cesa-tr.org/Cesanews.htm>

⁹ <http://www.cesa-tr.org/Cesabooks.htm>